



**Blue Platform** 

Thank you for your interest in Telesystem's Hosted VoIP phone system. Our Hosted VoIP solution offers significant price savings, added features and functionality, and network efficiency when compared to on-premise PBX systems. While Hosted VoIP offers a number of benefits, there are a few items that should be considered prior to installation.

This checklist highlights the network components that must be in place before your VoIP service will work as intended. In general, a VoIP-ready network should have sufficient bandwidth, be designed for redundancy, and block the passage of unwanted intrusions while efficiently routing and delivering trusted traffic in real time. Without these, you will experience VoIP quality issues. Further examination of security elements and power continuity planning will protect your business from security compromise and power outage related downtime.

	I/Router
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	,				
Firewall/Router					
	of network security. Based ecific network services. In				
☐ Provide dynamic a	ddress port translations a	and port forwarding			
☐ Pass interoperabil	ity testing, including IP pl	nones, Telesystem Softph	one, the Session Border (	Controller, and any Telesys	tem software
☐ Support NAT secu	re policy and Quality of S	ervice (QoS)			
Network Switch					
the traffic only to specific	ork switch takes incoming endpoints, instead of all hubs. <b>Your network switc</b>	networked devices, netwo		•	
☐ Managed as oppos	sed to unmanaged. This a	llows for VoIP necessary	customizations		
☐ Supports Quality of	of Service (QoS) and VLAN	N tagging, giving the voice	e traffic priority on the ne	twork, ensuring call qualit	y standards are met
☐ Include Power over	r Ethernet capacity, or pov	wer supply to support the	e endpoints		
Structured Cablin	σ				
Category 5e (CAT5) and C	Category 6 (CAT6) cable is able. Use of CAT5 or bette				
☐ A connection like t	this will be necessary for e	each phone			
☐ BICSI Standard (Ir	ndustry standard for struc	tured cabling)			
LAN Assessment					
network's ability to suppo packets, R-factor, and Meai	ades have been completed ort high quality VoIP voice on Opinion Scoring (MOS). If o, Telesystem may advise	traffic. This assessment s the results return outsid	should examine basic mea le the scope of industry s	surements like latency, jit tandards, it will negatively	ter, lost or dropped impact call voice
	■ Latency	☐ Jitter	☐ MOS	☐ R-Factor	
Good	Less than 100ms	Less than 20	Greater than 4.3	Greater than 85	]
Acceptable	100ms - 150ms	20 - 25	3.7 - 4.3	70 - 85	1
Poor	Greater than 150ms	Greater than 25	Less than 3.7	Less than 70	
Other Important	ltems				
Bypassing the fir Remove all hubs All electronics sh There should be a	sport capable of sustaining ewall may require a Multi- and unmanaged switches ould be upgraded to lates adequate CPU/memory/brall network attached dev	Service Business Gatewa at firmware/software vers candwidth for each netwo	y or Session Border Conti	roller	

## Is Your Network VolP Ready?

For clarification on any of these items, contact us at 1.888.808.6111.